



DRILL STEM TEST REPORT

Prepared For: **RJM COMPANY**

PO BOX 256
CLAFIN KS 67525

ATTN: JIM

DOLL #2

27-18S-11W

Start Date: 2012.07.11 @ 08:12:11

End Date: 2012.07.11 @ 03:30:19

Job Ticket #: 17780 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.07.11 @ 10:04:31

RJM COMPANY
27-18S-11W
DOLL #2
DST # 2
LAN KC
2012.07.11



DRILL STEM TEST REPORT

RJM COMPANY

27-18S-11W

PO BOX 256
CLAFIN KS 67525

DOLL #2

Job Ticket: 17780

DST#: 2

ATTN: JIM

Test Start: 2012.07.11 @ 08:12:11

GENERAL INFORMATION:

Formation: **LAN KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:19:49

Time Test Ended: 03:30:19

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3335

Interval: ft (KB) To ft (KB) (TVD)

Reference Elevations: 1796.00 ft (KB)

Total Depth: 3300.00 ft (KB) (TVD)

1791.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8524

Inside

Press @ RunDepth: 87.96 psia @ 3296.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.08

End Date:

2012.07.09

Last Calib.:

2012.07.08

Start Time: 23:07:49

End Time:

03:30:19

Time On Btm:

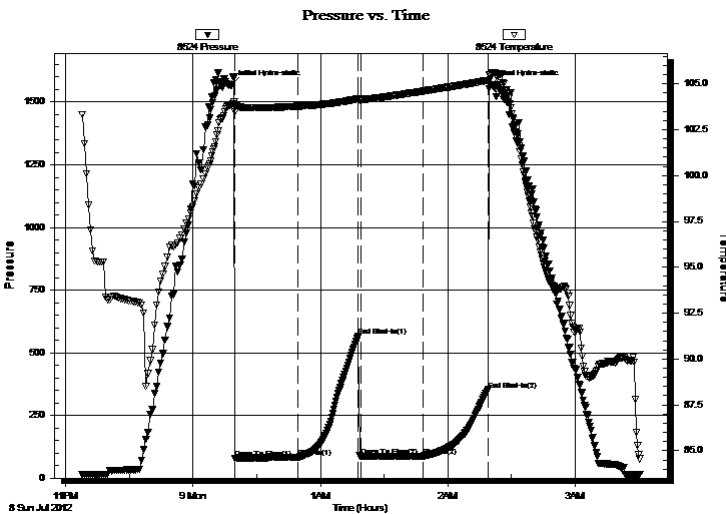
2012.07.09 @ 00:18:19

Time Off Btm:

2012.07.09 @ 02:20:19

TEST COMMENT: 30-INITIAL OPENING VERY WEAK BLOW
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING VERY WEAK BLOW
30-FINAL SHUT-IN NO BLOW BACK

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1568.01	103.87	Initial Hydro-static
2	79.40	103.47	Open To Flow (1)
32	82.61	103.77	Shut-In(1)
60	567.13	104.18	End Shut-In(1)
61	86.76	104.15	Open To Flow (2)
91	87.96	104.60	Shut-In(2)
121	352.70	105.19	End Shut-In(2)
122	1571.19	105.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUD 100%MUD	0.44

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



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RJM COMPANY

27-18S-11W

PO BOX 256
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DOLL #2

Job Ticket: 17780

DST#: 2

ATTN: JIM

Test Start: 2012.07.11 @ 08:12:11

GENERAL INFORMATION:

Formation: **LAN KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:19:49

Time Test Ended: 03:30:19

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3335

Interval: ft (KB) To ft (KB) (TVD)

Reference Elevations: 1796.00 ft (KB)

Total Depth: 3300.00 ft (KB) (TVD)

1791.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 91716 Outside

Press @ RunDepth: 358.35 psia @ 3297.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.09

End Date:

2012.07.09

Last Calib.:

2012.07.11

Start Time: 05:07:49

End Time:

09:21:49

Time On Btm:

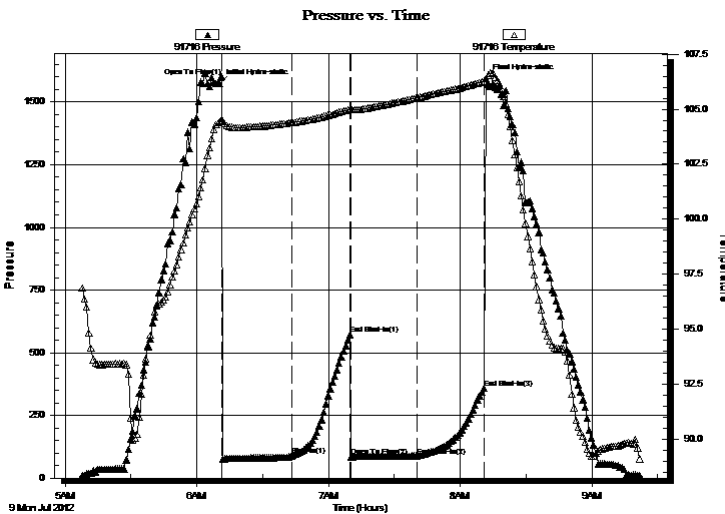
2012.07.09 @ 06:10:19

Time Off Btm:

2012.07.09 @ 08:11:49

TEST COMMENT: 30-INITIAL OPENING VERY WEAK BLOW
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING VERY WEAK BLOW
30-FINAL SHUT-IN NO BLOW BACK

PRESSURE SUMMARY



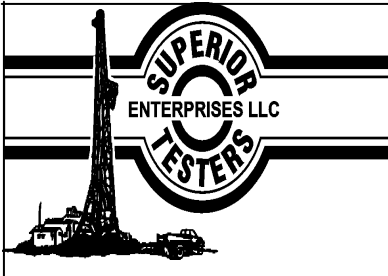
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1573.13	104.42	Initial Hydro-static
1	1602.33	104.46	Open To Flow (1)
33	89.45	104.39	Shut-In(1)
60	572.93	104.98	End Shut-In(1)
60	85.56	105.01	Open To Flow (2)
90	88.81	105.51	End Shut-In(2)
121	358.35	106.26	End Shut-In(3)
122	1594.51	106.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUD 100%MUD	0.44

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM COMPANY

27-18S-11W

PO BOX 256
CLAFIN KS 67525

DOLL #2

Job Ticket: 17780

DST#: 2

ATTN: JIM

Test Start: 2012.07.11 @ 08:12:11

Tool Information

Drill Pipe:	Length: 3171.00 ft	Diameter: 3.88 inches	Volume: 46.37 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3190.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	130.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3175.00	
Hydraulic Tool	5.00			3180.00	
Packer	5.00			3185.00	20.00 Bottom Of Top Packer
Packer	5.00			3190.00	
Perforations	4.00			3194.00	
Change Over Sub	0.75			3194.75	
Drill Pipe	62.50			3257.25	
Change Over Sub	0.75			3258.00	
Perforations	37.00			3295.00	
Recorder	1.00	8524	Inside	3296.00	
Recorder	1.00	91716	Outside	3297.00	
Bull Plug	3.00			3300.00	110.00 Bottom Packers & Anchor

Total Tool Length: 130.00



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FLUID SUMMARY

RJM COMPANY

27-18S-11W

PO BOX 256
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Job Ticket: 17780

DST#: 2

ATTN: JIM

Test Start: 2012.07.11 @ 08:12:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MUD 100%MUD	0.439

Total Length: 30.00 ft Total Volume: 0.439 bbl

Num Fluid Samples: 0

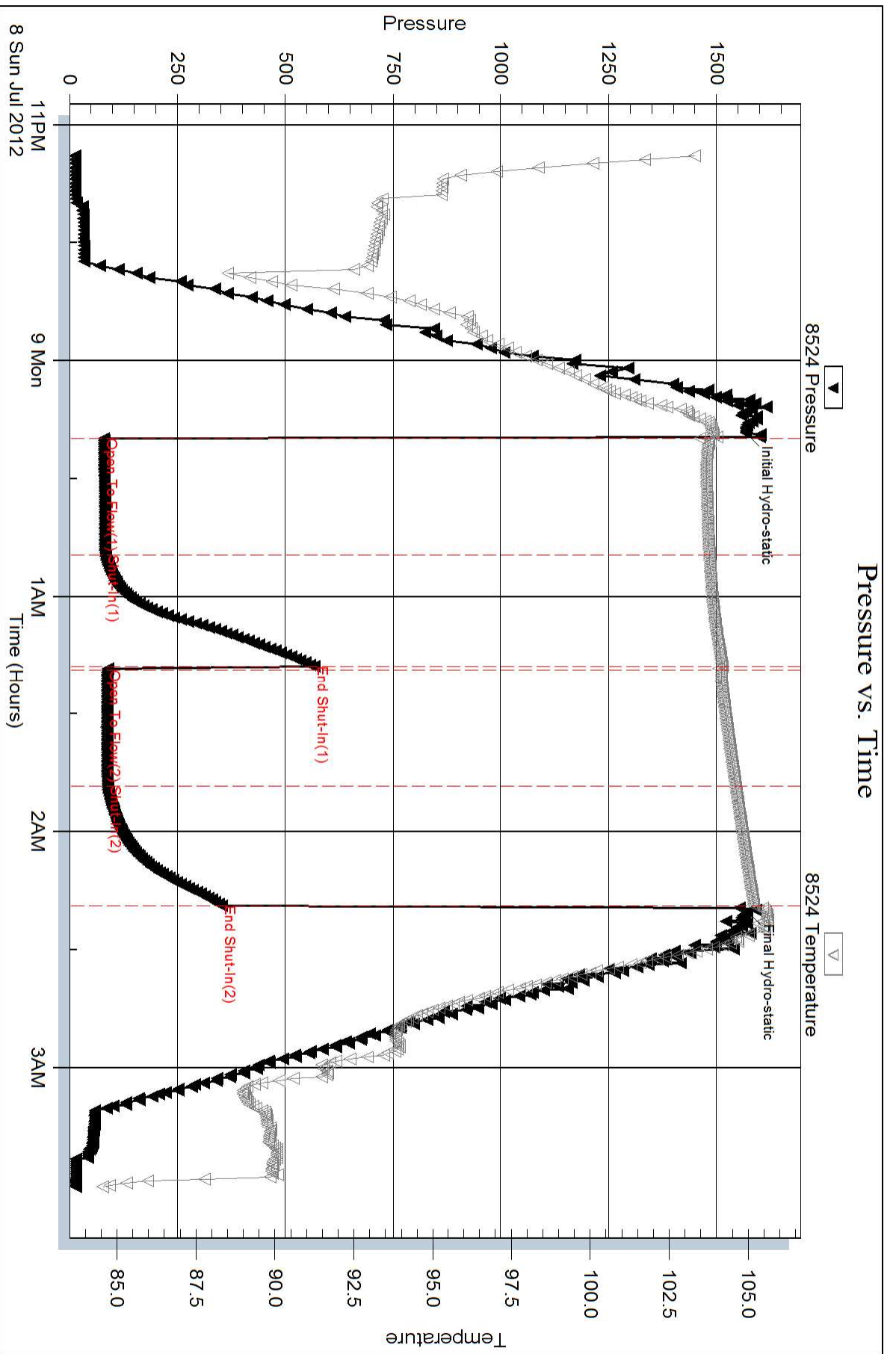
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time

